

PTO

UTILITY PATENT APPLICATION TRANSMITTAL TRANSMITTAL

Attorney Docket No.	03500.012108.2	TO	
First Named Inventor or Application Identifier			7
AKIHIKO YUSHIYA ET AL.		<u> </u>	9

APPLICATION ELEMENTS ADDRESS TO: Mail Stop Patent Application ADDRESS TO: Mail Stop Patent Application ADDRESS TO: Mail Stop Patent Application Per Transmittel Form Fee Transmittel Form Application Application and adjulicate for fee processing) 7. CDROM or CDR in duplicate, large table or Computer Program (Appendix) 8. Nuturelidies and/or Amino Axid Sequence Submission (if applicable, all necessary) a. CDROM or CDR in duplicate, large table or Computer Program (Appendix) 8. Nuturelidies and/or Amino Axid Sequence Submission (if applicable, all necessary) a. CDROM or CDR in duplicate, large table or Computer Program (Appendix) b. Specification Total Pages a. CDROM or CDR in duplicate, large table or Computer Program (Appendix) a. CDROM or CDR in duplicate, large table or Computer Program (Appendix) a. CDROM or CDR in duplicate, large table or Computer Program (Appendix) a. CDROM or CDR in duplicate, large table or Computer Program (Appendix) a. CDROM or CDR in duplicate, large table or Computer Program (Appendix) a. CDROM or CDR in duplicate, large table or Computer Program (Appendix) b. Specification Sequence Listing on: i. CD-ROM or CDR (2 copies) or ii. CD-ROM or CDR (2 copies) or iii. CDROM or	(Only I	or new nonpr	applications unde		E	xpress Mail	Label No.			9/6
1. Fee Transmittal Form (Submit an original, and a duplicate for fee processing) 2. Applicant claims small entity status. 3. X Specification 4. X Drawing(s) (35 USC 113) 5. X Oath or Declaration 6. X Oath or Declaration 7 Total Pages 7. Copy from a prior application (37 CFR 1.63(d)) 6. X Application Data Sheet. See 37 CFR 1.78 8. Control or Declaration 7 Total Pages 9. Assignment Papers (cover sheet & document(s)) 10. Peter Total Pages (2) 11. Peter Total Pages (2) 12. Assignment Papers (cover sheet & document(s)) 13. X Preliminary Amendment 14. X Drawing(s) (35 USC 113) 15. Y Copy from a prior application (37 CFR 1.63(d)) 16. X Application Data Sheet. See 37 CFR 1.78 16. X Application Data Sheet. See 37 CFR 1.78 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: 18. Considered a part of the disclosure of the accompanying continuation or divisional application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of th					ADDRESS TO: Commissioner for Patents P.O. Box 1450					
See 37 CFR 1.27. See 37 CFR 1	1.1			7.	CD-ROM or CD-R in duplicate, large table or Computer					
4. X Drawing(s) (35 USC 113) Total Sheets 30	2.	• •	• • • • • • • • • • • • • • • • • • • •		8.	·		sion		
4. X Drawing(s) (35 USC 113) Total Sheets 30 i. CD-ROM or CD-R (2 copies); or 5. X Oath or Declaration	3. X	Specification	n Total Pa	ages 61			a (Computer Readab	le Form (CRF)	
a. Newly executed (original or copy) c. Statements verifying identity of above copies b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) i. DELETION OF INVENTOR(S) Signed Statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)) 6. X Application Data Sheet. See 37 CFR 1.76 10. 37 CFR 3.73(t) Statement (when there is an assignee) 11. English Translation Document (if applicable) 12. X Istament (IDS)/PTO-1449 Copies of IDS Statement (IDS)/PTO-1449 Copies of IDS Statement (IDS)/PTO-1449 Copies of IDS Statement (IDS)/PTO-1449 (Statement) 13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. (if foreign priority is claimed) 16. Other: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: X Continuation Prior application information: Examiner Jose L Cours GroupArt Unit: 2821 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the succompanying continuation or divisional application and is hereby incorporated by reference. The incorporation gan only be relied upon when a portion has been inadvertently omitted from the submitted application and is hereby incorporated by reference. The incorporation gan only the relied upon when a portion has been inadvertently omitted from the submitted application and is hereby incorporated by reference. The incorporation gan only be relied upon when a portion has been inadvertently omitted from the submitted application and is hereby incorporated by reference. The incorporation gan only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS 05514 (Insert Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below	4. X	Drawing(s) ((35 USC 113) Total SI	neets 30]	•		· ·		
b. X Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) i. DELETION OF INVENTOR(S) Signed Statement attached deteiting inveninc(s) named in the prior application, see 37 CFR 1.63(d). 6. X Application Data Sheet. See 37 CFR 1.76 Application Data Sheet. See 37 CFR 1.76 To Continuation Da	5. X	Oath or Dec	laration Total Pa	ages 2			ii	paper		
b. X Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Bax 17 completed) i. DELETION OF INVENTOR(S) Signed Statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.83(d)(2) and 1.33(b). 6. X Application Data Sheet. See 37 CFR 1.76 11. English Translation Document (if applicable) 12. X Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS (Statement (IDS)/PTO-1449 Copies of IDS (Statement (IDS)/PTO-1449 Copies of IDS (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Other: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: X Continuation Divisional Continuation-in-part (CIP) of prior application No. 10 /043,333 Group/Art Unit: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently ornitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS OS514 X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below NAME Address City State Zip Code		a. Ne	ewly executed (original or	сору)				<u>-</u>		copies
Assignment Papers (cover sheet & document(s)) i. DELETION OF INVENTOR(S) Signed Statement attached deleting inventor(s) and capilication, see 37 CFR 1.63(d)(2) and 1.33(b). 6. X Application Data Sheet. See 37 CFR 1.76 11. English Translation Document (if applicable) Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Statement (IDS)/PTO-1449 Copies of IDS Statement (IDS)/PTO-1449 Copies of IDS (Should be specifically itemized) 12. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 13. X Preliminary Amendment 14. X Centified Copy of Priority Document(s) (if foreign priority is claimed) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Other: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: X Continuation Divisional Continuation-in-part (CIP) of prior application No. 10 /043,333 Prior application information: Examiner Jose L. Couso Group/art Unit: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 16. CORRESPONDENCE ADDRESS 17. Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below NAME Address City State Zip Code		h C	any from a prior conlinguis	- (27 CED 4 62(4))		ļ	ACCOM	PANYING APPLI	CATION PARTS	
Signed Statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. X Application Data Sheet. See 37 CFR 1.76 11. English Translation Document (if applicable) 12. X Istalement (IDS)/PTO-1449 Cotations 13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Other: 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: X Continuation Divisional Continuation-in-part (CIP) of prior application No. 10 /043,333 For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application parts. 18. CORRESPONDENCE ADDRESS O5514 X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below NAME Address City State Zip Code						9.	Assignment	Papers (cover shee	et & document(s))	
inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 11.		i. (10.			Power of	Attorney
6. X Application Data Sheet. See 37 CFR 1.76 12. X Statement (IDS)/PTO-1449 Citations 13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Other: X Continuation Prior application information: Examiner Jose L. Couso Group/Art Unit: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS 18. Coustomer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Or Correspondence address below NAME Address City State Zip Code	i				see	11.	English Tra	nslation Documer	nt (if applicable)	
13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Other: X Continuation Divisional Continuation-in-part (CIP) of prior application No. 10 /043,333 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application parts. 18. CORRESPONDENCE ADDRESS O5514 X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below NAME Address City State Zip Code	6. X	Application [Data Sheet. See 37 CFR	1.76		12. X			1 1 .	
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: X Continuation Prior application information: Examiner Jose L. Couso Group/Art Unit: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application parts. 18. CORRESPONDEDIVE ADDRESS X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Other: (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) Other: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDEDIVE ADDRESS O5514 (Insert Customer No. or Attach bar code label here) or Correspondence address below NAME Address City State Zip Code						13. X				
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: X Continuation Prior application information: Examiner Jose L. Couso Group/Art Unit: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS 05514 X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) NAME Address City State Zip Code						14. X				
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: X Continuation Prior application information: Examiner Jose L. Couso Group/Art Unit: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS 05514 X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below NAME Address City State Zip Code						15.			ument(s)	
X Continuation Prior application information: Examiner Jose L. Couso Group/Art Unit: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS O5514 X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Or Correspondence address below NAME Address City State Zip Code						16.				
X Continuation Prior application information: Examiner Jose L. Couso Group/Art Unit: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS O5514 X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Or Correspondence address below NAME Address City State Zip Code										
X Continuation Prior application information: Examiner Jose L. Couso Group/Art Unit: 2621 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS O5514 X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Or Correspondence address below NAME Address City State Zip Code	17 If a (CONTINUUMG	APPLICATION check an	nmaniata hay and su	noly t	ho mavisito	information:			
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS O5514 X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below NAME Address City State Zip Code										
considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS 05514 (Insert Customer No. or Attach bar code label here) or Correspondence address below NAME Address City State Zip Code										
City Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) O Correspondence address below	considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only									
X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below NAME Address City State Zip Code										
Address City State Zip Code	X (
City State Zip Code	NAME									
City State Zip Code	Address									· · · · · · · · · · · · · · · · · · ·
				Ct-t-						
1 1	City			Telephone Telephone				Fax		

ı		
J		
ı	-	

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS	
	TOTAL CLAIMS (37 CFR 1.16(c))	22 - 20 =	2	X \$ 18.00 =	\$ 36.00	
·	INDEPENDENT CLAIMS (37 CFR 1.16(b))	5 - 3 =	2	X \$ 84.00 =	\$168.00	
	MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d)) \$280.00 =				\$0.00	
	BASIC FEE (37 CFR 1.16(a))					
			Total of	above Calculations =	\$954.00	
	Reduction by	50% for filing by small er	tity (Note 37 CFR 1.9, 1	.27, 1.28).		
				TOTAL =	\$954.00	
9. Sn a.		ntity statement is enclose				
a. b. c. 20.	A small er A small er A small er and desire Is no longe X A check in the amo A check in the amo e Commissioner is hereby 06-1205:	ntity statement was filed in ed. er claimed. eunt of \$ 954.00 to cover to c	n the prior nonprovisional return the filing fee is enclosover the recordal fee is	sed. enclosed.		
a. b. c. 20.	A small er A small er A small er and desire Is no longe X A check in the amo A check in the amo e Commissioner is hereby 0.06-1205: X Fees requ	ntity statement was filed in ed. er claimed. eunt of \$ <u>954.00</u> to cover to	n the prior nonprovisional return the filing fee is enclosover the recordal fee is	sed. enclosed.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED		
NAME	John A. Krause (Reg. No. 24,613)	
SIGNATURE	Skroun	
DATE	July 24, 2003	

NY_MAIN 364737v1